



## Bellwether Magazine

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# Recent Publications and Research Briefs

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## RECENT PUBLICATIONS

Erika Krick, Sorenmo KU, Rankin SC, Cheong I, Kobrin B, Thornton K, Kinzler KW, Vogelstein B, Zhou S, & Diaz Jr. LA (2012) Evaluation of clostridium novyi-NT spores in dogs with naturally occurring tumors. *Am J Vet. Res.* 73(1): 112-118.

Kasinathan, R.S., Morgan, W.M., and Robert Greenberg. (2011) Genetic knockdown and pharmacological inhibition of parasite multidrug resistance transporters disrupts egg production in *Schistosoma mansoni*. *PLoS Neglected Tropical Diseases*, 5, e1425.

Zheng Y, Chang S, Boopathi E, Burkett S, John M, Malkowicz SB, & Sam Chacko (2012) Generation of a human urinary bladder smooth muscle cell line. *In Vitro Cell Dev Biol Anim.* 48(2):84-96.

SH Huang, PJ Kozak, J Kim, G Habineza-Ndikuyeze, C Meade, A Gaunier-Hausser, R Patel, E Robertson, and Nicola Mason. 2012 Evidence of an oncogenic Gamma-herpesvirus in domestic dogs. *Virology* 427: 107-117.

DA Hill, MC Siracusa, MC Abt, BS Kim, D Kobuley, M Kubo, T Kambayashi, D LaRosa, ED Renner, J Orange, FD Bushman and David Artis (2012) Commensal bacteria-derived signals regular basophil hemato-poiesis and allergic inflammation. *Nature Medicine*, Advance online publication, Mar 25.

Zaprazna, K. and Michael Atchison. (2012) YY1 controls immunoglobulin class switch recombination and nuclear AID levels. *Mol. Cell. Biol.* 32:1542-1554.

William Beltran, Cideciyan AV, Lewin AS, Iwabe S, Khanna H, Sumaroka A, Chiodo VA, Fajardo DS, Roman AJ, Deng WT, Swider M, Aleman TS, Boye SL, Genini S, Swaroop A, Haueswirth WW, Jacobson SJ and Gus Aguirre (2012) Gene therapy rescues X-linked photoreceptor blindness in dogs and paves the way for

treating /RPGR/ form of human retinitis pigmentosa. *Proc. Natl Acad. Sci. USA*, 109 (6):2132-2137.

Parra, D., A. M. Rieger, J. Li, Y.A. Zhang, L. M. Randall, C.A. Hunter, D. R. Barreda and J. O. Sunyer. 2011. Pivotal Advance: Peritoneal cavity B-1 B cells have phagocytic and microbicidal capacities, and present phagocytosed antigen to CD4+ T cells. *J. Leuk. Biol.* (Nov 2011, Epub ahead of print).

Smith GK, Lawler DF, Biery DN, Powers MY, Shofer F, Gregor TP, Karbe GT, McDonald-Lynch MB, Evans RH, Kealy RD. Chronology of Hip Dysplasia Development in a Cohort of 48 Labrador Retrievers Followed for Life. *Vet Surg* 2012 41(1): 20-33.

Karbe GT, Biery DN, Gregor TP, Giger U, Smith GK. Radiographic Hip Joint Phenotype of the Pembroke Welsh Corgi. *Vet Surg* 2012 41(1): 34-41.

## GRANTS

**William Beltran, DVM, PhD**, assistant professor of ophthalmology, has received a five-year, \$7.9 million grant from the National Institutes of Health to study “Translational Gene Therapy for Rhodopsin Autosomal Dominant Retinitis Pigmentosa.”

**Nicola Mason, PhD**, assistant professor of medicine and pathobiology, has received a two-year, \$440,000 grant from the National Institutes of Health to study “Identification of a Naturally Occurring Model for EBV-associated Lymphomagenesis.”

**Charles Vite, DVM, PhD**, assistant professor of neurology and neurosurgery, has received a \$310,086 grant from the Mayo Clinic Rochester to study “Neurophysiologically Based Responsive Pharmacotherapy for Epilepsy.”



## Penn Vet's Veterinary Clinical Investigations Center is currently recruiting dogs and cats for a number of clinical studies.

Some of these trials include:

- > A potential new treatment for canine lymphoma
- > Studying protein-losing enteropathy/nephropathy, Addison's disease and renal disease in dogs
- > Studying weight loss in cats with cancer
- > Measuring Vitamin B12 and MMA levels in cats diagnosed with lymphoma

If you have a dog or a cat that may be eligible, or if you are a primary care veterinarian with a patient suffering from any of the above, please call 215-573-0302 or email [VCIC@vet.upenn.edu](mailto:VCIC@vet.upenn.edu) for more information.

To see what other ongoing studies are available, please visit [www.PennVCIC.org](http://www.PennVCIC.org).